Technological Forecasting and Social Change

An International Journal

Volume 16, 1980

Contents

	Editorial	1
M.N. SHARIF and **A.K.M.A. HAQ** (Bangkok, Thailand)	Evaluating the Potentials of Technical Cooperation Among Developing Countries	3
TSUTOMU KONO (Tokyo, Japan)	Economic and Management Implications of Technological Advances in the World Steel Industry	33
JOHN A. CLARK (Brighton, England)	A Model of Embodied Technical Change and Employment	47
WILKIE W. CHAFFIN and **WAYNE K. TALLEY** (Norfolk, VA)	Individual Stability in Delphi Studies	67
R. BALACHANDRA (Chapel Hill, NC)	Technological Forecasting: Who Does It and How Useful Is It?	75
	Book Reviews	
JOSEPH MARTINO (Dayton, OH)	*Electronic Meetings: Technical Alternatives and Social Choices* (Robert Johansen, Jacques Vallee and Kathleen Spangler)	87
RIAS J. VAN WYK (Stellenbosch, South Africa)	*Handbook of Futures Research* (Jib Fowles)	90

Contents

DAVID LOYE (Carmel, CA)	Personality and Prediction	93
E. H. WARREN, JR. (Pasadena, CA)	Solar Energy Market Penetration Models: Science or Number Mysticism?	105
C. LEPORELLI and **M. LUCERTINI** (Rome, Italy)	Substitution Models for Technology-Fostered New Production Inputs	119
DANIEL LEBLANC and **MAURICE QUEYRANNE** (Montreal, Canada)	Comparison of Alternative Methods of Updating Input-Output Tables: A Note	143
TADEUSZ GALANC and **JAN MIKUŚ** (Wroclaw, Poland)	Resultant Forecasts	147
R. BALACHANDRA (Chapel Hill, NC)	Perceived Usefulness of Technological Forecasting Techniques	155

Letters to the Editor

HAYNES C. GODDARD (Cincinnati, OH)	Societal Aspects of Technology Assessment: A Critique	167
IDA R. HOOS (Berkeley, CA)	Author's Reply	170

Book Reviews

JOSEPH F. COATES (Washington, DC)	The Image and the Reality—A Case Study of the Impacts of Medical Technology by Barbara Stocking and Stuart L. Morrison	173
R. U. AYRES (Pittsburgh, PA)	SARUM and MRI: Description and Comparison of a World Model and a National Model (IIASA) edited by Gerhart Bruckmann	176

Contents

THOMAS VARGISH (Hanover, NH)	Why the Person Sitting Next to You Hates Limits to Growth	179
CHARLES J. RYAN (Stanford, CA)	The Choices in the Next Energy and Social Revolution	191
DEVENDRA SAHAL (Berlin, West Germany)	Models of Technological Development and Their Relevance to Advances in Transportation	209
DAVID LOYE (Carmel, CA)	Ideology and Prediction	229
HEINZ-DIETER HAUSTEIN and **HARRY MAIER** (Laxenburg, Austria)	Basic Improvement and Pseudo-Innovations and Their Impact on Efficiency	243

Research Note

HAROLD A. LINSTONE (Portland, OR)	A New Technique to Improve Forecasts	267

Book Review

JOSEPH P. MARTINO (Dayton, OH)	*Long-Range Forecasting: From Crystal Ball to Computer* (J. Scott Armstrong)	269

Contents

	Editorial	275
JAMES O'TOOLE (Los Angeles, CA)	Work in an Era of Slow Economic Growth	277
JOHN TYDEMAN, HUBERT LIPINSKI, and SARA SPANG (Menlo Park, CA)	An Interactive Computer-Based Approach to Aid Group Problem Formulation	311
FRANCISCO R. SAGASTI (Bogota, Colombia)	Towards Endogenous Science and Technology for Another Development	321
STEPHEN O. MURRAY and (Berkeley, CA) **JOSEPH H. RANKIN** (West Lafayette, IN)	Use Diffusion: An Extension and Critique	331
ROBERT B. MITCHELL (Menlo Park, CA)	Subjective Conditional Probabilities—A New Approach	343
PETER GÄRDENFORS (Lund, Sweden)	On the Information Provided by Forecasting Models	351

Book Reviews

RIAS J. VAN WYK (Stellenbosch, South Africa)	*Science, Technology and Development* (edited by K. D. Sharma and M. A. Qureshi)	363
WOLF RAUCH (Vienna, Austria)	*Delphi-Prognosen im Computer-Dialog* (Klaus Brockhoff)	366
CESARE MARCHETTI (Laxenburg, Austria)	*Children in the World* (Magda Cordell McHale and John McHale)	368
JAMES R. BRIGHT (North Edgecomb, Maine)	*Technological Innovation: Government/Industry Cooperation* (edited by Arthur Gerstenfeld and Robert Brainard)	369